

CLAIMS

That which is claimed is:

1. A vascular occlusive device comprising:
5 a support member;
a plurality of thrombogenic fibers mounted on said support member; and,
an outer barrier disposed over said plurality of thrombogenic fibers to prevent
exposure of said fibers to bodily fluid when said vascular occlusive device is inserted into
a blood vessel, said outer barrier exhibiting the characteristic of being substantially inert
10 to bodily fluid but dissolving when exposed to an external agent.
2. A vascular occlusive device as defined in Claim 1, wherein the support member is
a vascular occlusive embolic coil.
- 15 3. A vascular occlusive device as defined in Claim 2, wherein the support member
takes the form of a helically wound metallic coil.
4. A vascular occlusive device as defined in Claim 1, wherein the fibers normally
extend outwardly from the surface of said support member.
20
5. A vascular occlusive device as defined in Claim 4, wherein the outer barrier
retains the plurality of fibers in a flattened configuration along a surface of the support
member.

6. A vascular occlusive device comprising:

a support member;

a thrombus inducing member disposed on said support member and having a first

5 unconstrained position and a second constrained position; and,

an outer barrier disposed on said thrombus inducing member for normally
constraining said thrombus inducing member in a second position, said outer barrier

exhibiting the characteristic of dissolving when exposed to bodily fluids to thereby

release said thrombus inducing member to permit said thrombus inducing member to

10 return to the first unconstrained position to thereby react with bodily fluids in order to
cause tissue ingrowth.

7. A vascular occlusive device as defined in Claim 6, wherein the support member is
a vascular occlusive embolic coil.

15

8. A vascular occlusive device as defined in Claim 7, wherein the support member
takes the form of a helically wound metallic coil.

9. A vascular occlusive device as defined in Claim 6, wherein the outer barrier takes

20 the form of a coating applied to the thrombus inducing member.

10. A vascular occlusive device as defined in Claim 6, wherein said thrombus
inducing member comprises fibers.

11. A vascular occlusive device as defined in Claim 6, wherein said thrombus inducing member comprises nylon fibers.

5 12. A vascular occlusive device as defined in Claim 10, wherein said thrombus inducing member comprises bioabsorbable fibers.

13. A vascular occlusive device comprising:

a support member;

10 a thrombus inducing member disposed on said support member and having a first unconstrained position and a second constrained position; and,

an outer barrier disposed on said thrombus inducing member for normally constraining said thrombus inducing member in a second position, said outer barrier exhibiting the characteristic of being substantially inert to bodily fluid but dissolving
15 when exposed to an external agent to thereby release and uncover the thrombus inducing member.

14. A vascular occlusive device as defined in Claim 13, wherein the support member is a vascular occlusive embolic coil.

20

15. A vascular occlusive device as defined in Claim 14, wherein the support member takes the form of a helically wound metallic coil.

16. A vascular occlusive device as defined in Claim 13, wherein the outer barrier takes the form of a coating applied to the thrombus inducing member.

17. A vascular occlusive device as defined in Claim 13, wherein said thrombus
5 inducing member comprises nylon fibers.

18. A vascular occlusive device as defined in Claim 16, wherein said thrombus inducing member comprises nylon fibers.

10 19. A vascular occlusive device as defined in Claim 13, wherein said outer barrier is comprised of ethylene alcohol.